PrintaMent PLA

DATASHEET

Description

PrintaMent PLA is a tough, easy to use high grade type of filament ideal from low to high priced 3D printers. Our special modified formula, retains the typical features of PLA, but makes it tougher and less brittle. Due to a low shrinkage factor PLA will not deform after cooling.

Features

- Tougher and less brittle compared to regular PLA
- Easy to print at low temperature
- Low warping
- Biodegradable
- Limited smell

Colors

Natural - Black - White - Cream White - Pearl White - Yellow - Mango Yellow - Orange - Red - Gleaming Pink - Magenta - Purple - Blue - Dark Blue - Lime Green - Leaf Green - Petrol Green - Brown - Light Grey - Iron Grey - Bronze - Silver - Gold - Flash Yellow - Flash Orange - Acid Green - Crystal - Glow in the Dark

Additional Info

Due to its low tendency to warp PLA can also be printed without a heated bed. If you have a heated bed the recommended temperature is +/- 35-60°C PLA can be used on all common desktop FDM and FFF technology 3D printers. Storage: Cool and dry (15-25°C) and away from UV light

Technical Data

Dimensions

Size	Tolerance	Roundness
Ø1,75mm	±0,05mm	>95%
Ø2,85mm	±0,10mm	>95%

Physical Properties

Description	Typical Value
Specific gravity	1,24g/cc
MFI	6g/10min
Tensile strength	110MPa (MD) 145MPa (TD)
Elongation at break	160% (MD) 100% (TD)
Tensile modus	3310MPa (MD) 3860MPa (TD)
Impact strength	7,5kJ/m^2

Thermal Properties

Size	Roundness
Printing temp.	180-210°C
Melting temp.	210°±10°CC
Melting point	145-160°C
Vacant softening t	±60°C